

PATENTS
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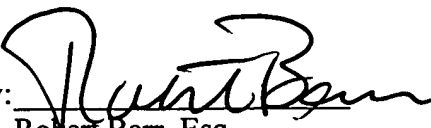
POWER OF ATTORNEY FOR PATENT APPLICATION

This Power of Attorney appoints the below mentioned attorneys to have Power of Attorney, based upon the enclosed Assignment dated January 26, 2000, from IBM, Inc. to Cisco Systems, Inc.

Cisco Systems, Inc., appoints Michael E. Attaya, Reg. No. 31,731; Charles J. Barbas, Reg. No. 32,959; Joseph H. Born, Reg. No. 28,283; Robert A. Cesari, Reg. No. 18,381; Yong S. Choi, Reg. No. 43,324; Brian C. Dauphin, Reg. No. 40,983; Steven J. Frank, Reg. No. 33,497; Christopher K. Gagne, Reg. No. 36,142; A. Sidney Johnston, Reg. No. 29,548; William A. Loginov, Reg. No. 34,863; John F. McKenna, Reg. No. 20,912; Martin J. O'Donnell, Reg. No. 24,204; Thomas C. O'Konski, Reg. No. 26,320; Michael R. Reinemann, Reg. No. 38,280; Rita M. Rooney, Reg. No. 30,585; Patricia A. Sheehan, Reg. No. 32,301; and Joseph Stecewycz, Reg. No. 34,442, Cesari and McKenna, LLP, 30 Rowes Wharf, Boston, Mass. 02110, jointly, and each of them severally, my attorneys and attorney, with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent and to transact all business in the Patent and Trademark Office connected therewith. Please direct all telephone calls to A. Sidney Johnston at (617) 951-2500. Please address all correspondence to A. Sidney Johnston.

CISCO SYSTEMS, INC.

Date: 2-23-2000

By: 
Robert Barr, Esq.
Worldwide Patent Counsel

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PATENT ASSIGNMENT AGREEMENT

This PATENT ASSIGNMENT AGREEMENT (the "Agreement") is executed as of the date below, by INTERNATIONAL BUSINESS MACHINES CORPORATION, a New York corporation ("IBM").

WHEREAS, IBM has entered into an Intellectual Property Transfer, License and Additional Terms Agreement with CISCO SYSTEMS, INC., a California corporation ("Cisco"), dated December 14, 1999 ("Agreement Date") (the "IP Agreement"), pursuant to which IBM has agreed to, among other things, assign to Cisco certain patent rights.

WHEREAS, IBM and Cisco wish to evidence the assignment of such patent rights with this document.

NOW, THEREFORE, for good and valuable consideration, IBM agrees as follows:

ARTICLE 1 IBM PATENTS

"IBM Patents" shall mean the patents and pending patent applications listed in Attachments A and B.

ARTICLE 2 ASSIGNMENTS

Effective on the Agreement Date, and subject to the terms and conditions of the IP Agreement, including certain reserved rights under the IBM Patents, IBM assigns, transfers and conveys to Cisco all of IBM's right, title and interest in the IBM Patents.

IN WITNESS WHEREOF, IBM has caused this Agreement to be executed.

INTERNATIONAL BUSINESS
MACHINES CORPORATION

By: 

Gerald Rosenthal
Vice President

Date: Jan 26, 2000

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ATTACHMENT A TO IBM PATENT ASSIGNMENT

Issued United States Patents

RE35262	5,125,096	5,515,265
RE34896	5,128,666	5,515,361
RE34528	5,129,086	5,519,701
4,750,175	5,133,070	5,519,863
4,750,202	5,134,636	5,521,591
4,751,510	5,136,710	5,522,088
4,751,698	5,140,587	5,526,283
4,752,777	5,140,691	5,526,488
4,756,006	5,142,283	5,526,491
4,760,573	5,144,293	5,528,137
4,761,781	5,146,514	5,528,763
4,763,122	5,148,481	5,530,377
4,764,966	5,148,527	5,530,903
4,769,716	5,148,534	5,532,641
4,769,850	5,151,948	5,532,937
4,771,391	5,155,486	5,535,192
4,773,001	5,157,667	5,535,335
4,780,886	5,161,156	5,539,666
4,782,523	5,162,992	5,539,725
4,783,834	5,163,149	5,539,756
4,785,446	5,166,674	5,541,916
4,787,025	5,173,898	5,542,089
4,791,403	5,175,851	5,543,953
4,794,594	5,237,572	5,544,322
4,814,762	5,325,404	5,548,579
5,040,227	5,341,475	5,548,775
5,048,085	5,404,538	5,551,027
5,081,450	5,450,351	5,553,097
5,081,572	5,490,153	5,555,543
5,097,533	5,491,690	5,557,266
5,103,478	5,491,720	5,561,790
5,109,483	5,491,815	5,563,875
5,111,417	5,493,651	5,566,310
5,113,519	5,495,426	5,568,477
5,117,430	5,497,460	5,568,605
5,119,376	5,500,855	5,572,534
5,119,433	5,502,774	5,577,238
5,119,478	5,508,645	5,579,337
5,121,396	5,513,313	5,602,830
5,124,981	5,513,377	5,621,809

5,629,927	5,721,944	5,881,242
5,629,928	5,724,348	5,909,441
5,636,164	5,748,125	5,912,881
5,638,365	5,754,754	5,912,894
5,649,101	5,768,273	5,923,667
5,666,361	5,781,715	5,930,265
5,668,798	5,787,071	5,936,936
5,668,800	5,790,522	5,940,372
5,673,263	5,815,492	5,949,759
5,684,797	5,818,815	5,956,341
5,687,167	5,838,922	5,960,194
5,689,518	5,848,227	5,996,018
5,694,407	5,870,397	
5,701,415	5,872,728	

ATTACHMENT B
TO IBM PATENT ASSIGNMENT

United States Patent Applications

Filing Date	Serial Number
931203	161,640
961204	760,202
961204	760,205
961216	771,333
961220	770,931
970122	786,916
970219	801,222
970227	807,491
970331	831,270
970331	831,273
970401	834,679
970401	834,678
970722	898,057
970923	935,758
971007	946,237
971007	946,243
971008	947,423
971120	975,481
971121	976,402
971124	977,220

Filing Date	Serial Number
971126	978,831
971208	986,830
971212	989,585
971216	991,911
980126	013,701
980204	018,742
980210	021,707
980306	036,354
980311	038,872
980331	052,286
980428	067,456
980612	097,131
980813	133,396
980909	149,908
980921	157,743
981007	167,786
981013	170,299
981105	187,097
981117	193,301
981210	209,968
981215	211,322
981217	213,578

Filing Date	Serial Number
981217	213,572
990205	245,189
990205	245,182
990226	261,604
990429	301,820
990429	302,339
990504	304,680
990611	330,853
990616	334,414
990616	334,415
990616	334,194
990712	351,712
990730	364,123
990930	409,275